

IN THE CLAIMS

*The status of the claims as presently amended is as follows:*

1. *(Currently Amended)* A wireless base station that constructs a wireless communication network using a system identification code for identifying a wireless communication network controlled by the base station, comprising:

a ~~recognizing~~ scanning unit adapted to ~~recognize~~ scan a system identification code used by another wireless base station; and

a setting unit adapted to automatically set a system identification code for identifying a wireless communication network controlled by the wireless base station, based on the system identification code ~~recognized~~ scanned by said ~~recognizing~~ scanning unit,

wherein the setting unit automatically sets the system identification code of the wireless base station different from the system identification code of the another wireless base station ~~recognized~~ scanned by the ~~recognizing~~ said scanning unit.

2. *(Currently Amended)* A wireless base station according to claim 1, further comprising:

a first receiving unit adapted to receive a notification signal including the system identification code from the another wireless base station; and

wherein said ~~recognizing~~ scanning unit recognizes the system identification code used by the another wireless base station based on the notification signal received by said first receiving.

3. *(Currently Amended)* A wireless base station according to claim 1, further comprising:

a second receiving unit adapted to receive a ~~signal from a communication apparatus~~ whose communication is controlled by the another response signal responsive to a request from the wireless base stations; and

wherein said ~~recognizing~~ scanning unit ~~recognizes~~ scans the system identification code used by the another wireless base station based on the signal received by said second receiving unit.

4-5. *(Canceled)*

6. *(Previously Presented)* A wireless base station according to claim 1, further comprising:

a generating unit adapted to generate the system identification code set by said setting unit.

7. (*Currently Amended*) A wireless base station according to claim 6, wherein said generating unit generates the system identification code that is different from the system identification code previously generated, based on the system identification code ~~recognized~~ scanned by said ~~recognizing~~ scanning unit.

8. (*Currently Amended*) A wireless base station according to claim 6, wherein said generating unit automatically generates the system identification code.

9. (*Previously Presented*) A wireless base station according to claim 6, wherein said generating unit generates the system identification code based on an operation by a user.

10. (*Currently Amended*) A wireless base station according to claim 1, wherein said ~~recognizing~~ scanning unit ~~recognizes~~ scans the system identification code used by a plurality of channels.

11. (*Original*) A wireless base station according to claim 1, wherein the system identification code is a Service Set Identifier for use in a wireless LAN communication according to IEEE 802.11 Standard.

12. (*Previously Presented*) A wireless base station according to claim 1, wherein said wireless base station is an access point for performing a wireless LAN communication according to IEEE 802.11 Standard.

13. (*Currently Amended*) A control method for a wireless base station that constructs a wireless communication network using a system identification code for identifying a wireless communication network controlled by the wireless base station, comprising:

a ~~recognizing~~ scanning step of ~~receiving~~ scanning a system identification code used by another wireless base station; and

a setting step of automatically setting a system identification code for identifying a wireless communication network controlled by the wireless base station, based on the system identification code ~~recognized~~ scanned in said ~~recognizing~~ scanning step[.].

wherein the setting step automatically sets the system identification code of the wireless base station different from the system identification code of the another wireless base station ~~recognized~~ scanned in said ~~recognizing~~ scanning step.

14. (*Currently Amended*) A computer-readable storage medium storing a computer program for controlling a wireless base station that constructs a wireless communication network using a system identification code for identifying a wireless communication network controlled by the base station, the program comprising:

a ~~recognizing~~ scanning module for ~~recognizing~~ scanning a system identification code used by another wireless base station; and

a setting module for automatically setting a system identification code for identifying a wireless communication network controlled by said wireless base station, based on the system identification code ~~recognized~~ scanned by said ~~recognizing~~ scanning module,

wherein the setting module automatically sets the system identification code of the wireless base station different from the system identification code of the another wireless base station ~~recognized~~ scanned by the ~~recognizing~~ said scanning module.